

**REMARKS**

In response to the Office Action dated August 9, 2007, Applicants respectfully request reconsideration.

**35 U.S.C. § 112 rejections**

Claims 1-9 and 11-32 stand rejected under 35 U.S.C. § 112 as failing to comply with the enablement requirement.

Applicants respectfully assert that claims 1-9 and 11-32 comply with 35 U.S.C. § 112. The Examiner states that in Figure 3 of the present application, electrode 18 is connected via through contact 24 to electrode 22, which is connected via through contact 23 to electrode 19, which is in communication with the specimen. In Figure 3, however, electrode 18 is indeed connected to through contact 24, but through contact 24 is not connected to electrode 22. Instead, through contact 24 is connected to small bond pad 25 that is arranged in small opening 26 of bottom electrode 22, as described on, for example, page 6, line 36, through page 7, line 1 of the present application. Opening 26 is shown by two non-hatched gaps around small bond pad 25 in Figure 3.

Given the function of the electrodes 18 and 19, it would not make sense to interconnect them. For example, as written on page 7, lines 15-17, bottom electrode 22 and ring electrode 19 are connected to ground, while strip electrode 18 is connected to inductance L of the resonant circuit. Therefore, capacitor C is formed between strip electrode 18 and ring electrode 19, as described on page 7, lines 17-20. A direct contact between the electrodes 18 and 19 would render them unsuitable to act as a capacitor.

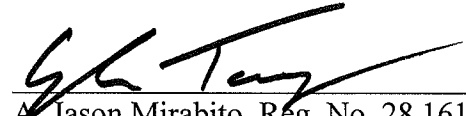
**Conclusion**

Based on the foregoing, this application is believed to be in allowable condition, and a notice to that effect is respectfully requested. If a telephone conversation with Applicant's representative would help expedite the prosecution of this application, the Examiner is invited to call the undersigned attorney at (617) 542-6000.

The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account 50-0311, Reference No. 24334-001. The

Director is further authorized to charge any required fee(s) under 37 C.F.R. §§ 1.19, 1.20, and 1.21 to the abovementioned Deposit Account.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "A. Jason Mirabito", is written over a horizontal line.

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